

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

### LISTING OF CLAIMS

1. (currently amended)

An electrode array body comprising:

an array of electrodes;

a mounting location;

a reinforcing area surrounding the mounting location; and

a strain relief slot.

wherein the electrode array body is a flexible body having a curved shape in multiple dimensions, and

the flexible body being adapted to conform to the spherical curvature of the retina of a the recipient's eye thus minimizing stress concentration, the mounting location being suitable for attaching the electrode array body to the retina.

2. (currently amended) The electrode array body according to claim 1, ~~further comprising at least one reinforced~~ wherein said mounting location aperture in said flexible body is suitable for attaching said flexible body to the retina with a tack.

3. (currently amended) The electrode array body according to claim 1, wherein said flexible body has at least one radius of spherical curvature, which approximates the curvature of the eye, said radius continuously decreasing near edges of flexible body ~~thus causing said edges of said flexible body to lift off of the retina. eliminating stress concentrations in the retina from contact with the electrode array body.~~

4. (currently amended) The electrode array body according to claim 1 wherein, said electrode array body is made of silicone having a hardness of about 50 or less on the Shore A scale as measured with a durometer.

5.-28. (Cancelled)

29. (currently amended) The electrode array body according to claim 1, wherein said electrode array ~~flexible~~ body comprises silicone having a hardness of about 50 or less on the Shore A scale as measured with a durometer.

30. (previously presented) The electrode array body according to claim 1, wherein said flexible body comprises silicone having a hardness of about 25 or less on the Shore A scale as measured with a durometer.

31.-34. (cancelled)

35. (currently amended) The electrode array body according to claim 1, ~~further comprising:~~  
said ~~flexible body having an~~ wherein the array of ~~conductive~~ electrodes is suitable for transmitting electric signals to the retina, and wherein at least one electrode ~~mounted on said flexible body which~~ provides an electrical reference or ground potential.

36. (currently amended) The electrode array body according to claim 1, further comprising a grasping handle attached thereto ~~to said flexible body for holding with a surgical instrument during implantation.~~

37. (cancelled)

38. (currently amended) The electrode array body according to claim 36, wherein said electrode array ~~flexible~~ body comprises silicone having a hardness of about 50 or less on the Shore A scale as measured with a durometer.

**39.** (currently amended) The electrode array body according to claim 36, wherein, said grasping handle is a hemi-tube ~~to allow the insertion of a surgical tool during implantation surgery.~~

**40.** (previously presented) The electrode array body according to claim 36, wherein said grasping handle is a hemi-tube with an internal hole diameter approximately equal to the tube wall thickness.

**41.-49.** (cancelled)

**50.** (currently amended) The electrode array body according to claim 1, wherein said flexible body has a tapered edge ~~to eliminate stress concentrations in the retina caused by contact with the electrode array body.~~

**51.-65.** (cancelled)

**66.** (new) The electrode array body according to claim 1, wherein said reinforcing area surrounding the mounting location is visually distinct from the rest of said electrode array body.

**67.** (new) The electrode array body according to claim 1, wherein said reinforcing area surrounding the mounting location is made of a first material and the rest of the electrode array body is made of a second material, the first material being firmer than the second material.

**68.** (new) The electrode array body according to claim 1, wherein said strain relief slot is a curved opening near said reinforcing area surrounding the mounting location.

**69.** (new) The electrode array body according to claim 1, wherein said strain relief slot is partially circling said reinforcing area surrounding the mounting location.

**70.** (new) The electrode array body according to claim 68, wherein said curved opening forms a strain relief internal tab.

**71.** (new) The electrode array body according to claim 70, wherein said strain relief internal tab is made of a first material and the rest of the electrode array body is made of a second material, the first material being less thick than the second material.

**72.** (new) The electrode array body according to claim 1, wherein said mounting location is suitable for attaching said flexible body to the retina with a ferromagnetic keeper.

**73.** (new) The electrode array body according to claim 1, wherein said mounting location is suitable for attaching said flexible body to the retina with surgical adhesive.

**74.** (new) The electrode array body according to claim 1, wherein said mounting location is an aperture.

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